

WHAT IS CLAIMED IS:

1. A method for storing test results in a database, comprising:
 - receiving test results, the test results including a plurality of test result records, each test result record associated with a test identifier, a build version identifier, and a test result identifier;
 - storing the test results in a temporary storage location;
 - comparing each test result record with the contents of a test result database, the test result database having a plurality of compiled test result records, each compiled test result record associated with a test identifier, a start build version identifier, an end build version identifier, and a test result identifier;
 - if a test result record and a compiled test result record have matching test identifiers and matching test result identifiers, then discarding the test result record; and
 - if a test result record and a compiled test result record have matching test identifiers and different test result identifiers, then modifying the end build identifier of the compiled test result record and creating a new compiled test result record in the test result database, the new compiled test result record having the same test identifier and test result identifier as the test result record, and having a start build

30 version identifier corresponding to the build
31 version identifier of the test result record.

1 2. The method of claim 1, wherein when a test result
2 record and a compiled test result record have matching
3 test identifiers and different test result
4 identifiers, then the end build identifier of the
5 compiled test result record is modified to have a
6 value of one less than the build version identifier of
7 the test result record.

1 3. The method of claim 1, further comprising, if a
2 compiled test result record has no matching test
3 identifier as a test result record in the temporary
4 storage location, then modifying the end build
5 identifier of the compiled test result record to have
6 a value of one less than the build version identifier
7 of the test result record, and creating a new compiled
8 test result record in the test result database, the
9 new compiled test result record having the same test
10 identifier as the test result record, and having a
11 start build version identifier corresponding to the
12 build version identifier of the test result record,
13 and having a test result identifier indicating that a
14 test was not run.

1 4. The method of claim 1, further comprising, if a test
2 result record in the temporary storage location has no
3 matching test identifier as a compiled test result
4 record, then creating a new compiled test result
5 record in the test result database, the new compiled
6 test result record having the same test identifier as
7 the test result record, and having a start build
8 version identifier corresponding to the build version
9 identifier of the test result record, and having the
10 same test result identifier as the test result record.

1 5. A method for storing test results in a database,
2 comprising:
3 receiving test results, the test results including a
4 plurality of test result records, each test
5 result record indicating a test name, a test
6 result, and a build identifier;
7 storing the test results in a temporary storage
8 location;
9 comparing each test result record with the contents of
10 a test result database, the test result database
11 having a plurality of compiled test result
12 records, each compiled test result record
13 associated with a test name, a test result, and a
14 build range corresponding to the test name and
15 test result;
16 modifying the build range of each compiled test result
17 record to include the build identifier of a test
18 result record having the same test name and test
19 result as the compiled test result record.

1 6. A data processing system having at least a processor
2 and accessible memory, comprising:
3 means for receiving test results, the test results
4 including a plurality of test result records,
5 each test result record associated with a test
6 identifier, a build version identifier, and a
7 test result identifier;
8 means for storing the test results in a temporary
9 storage location;
10 means for comparing each test result record with the
11 contents of a test result database, the test
12 result database having a plurality of compiled
13 test result records, each compiled test result
14 record associated with a test identifier, a start
15 build version identifier, an end build version
16 identifier, and a test result identifier;
17 means for, if a test result record and a compiled test
18 result record have matching test identifiers and
19 matching test result identifiers, discarding the
20 test result record; and
21 means for, if a test result record and a compiled test
22 result record have matching test identifiers and
23 different test result identifiers, modifying the
24 end build identifier of the compiled test result
25 record and creating a new compiled test result
26 record in the test result database, the new
27 compiled test result record having the same test
28 identifier and test result identifier as the test
29 result record, and having a start build version
30 identifier corresponding to the build version
31 identifier of the test result record.

1 7. The data processing system of claim 6, wherein when a
2 test result record and a compiled test result record
3 have matching test identifiers and different test
4 result identifiers, then the end build identifier of
5 the compiled test result record is modified to have a
6 value of one less than the build version identifier of
7 the test result record.

1 8. The data processing system of claim 6, further
2 comprising means for, if a compiled test result record
3 has no matching test identifier as a test result
4 record in the temporary storage location, modifying
5 the end build identifier of the compiled test result
6 record to have a value of one less than the build
7 version identifier of the test result record, and
8 means for creating a new compiled test result record
9 in the test result database, the new compiled test
10 result record having the same test identifier as the
11 test result record, and having a start build version
12 identifier corresponding to the build version
13 identifier of the test result record, and having a
14 test result identifier indicating that a test was not
15 run.

1 9. The data processing system of claim 6, further
2 comprising means for, if a test result record in the
3 temporary storage location has no matching test
4 identifier as a compiled test result record, creating
5 a new compiled test result record in the test result
6 database, the new compiled test result record having
7 the same test identifier as the test result record,
8 and having a start build version identifier
9 corresponding to the build version identifier of the
10 test result record, and having the same test result
11 identifier as the test result record.

1 10. A data processing system having at least a processor
2 and accessible memory, comprising:
3 means for receiving test results, the test results
4 including a plurality of test result records,
5 each test result record indicating a test name, a
6 test result, and a build identifier;
7 means for storing the test results in a temporary
8 storage location;
9 means for comparing each test result record with the
10 contents of a test result database, the test
11 result database having a plurality of compiled
12 test result records, each compiled test result
13 record associated with a test name, a test
14 result, and a build range corresponding to the
15 test name and test result; and
16 means for modifying the build range of each compiled
17 test result record to include the build
18 identifier of a test result record having the
19 same test name and test result as the compiled
20 test result record.

1 11. A computer program product tangibly embodied in a
2 machine-readable medium, comprising:
3 instructions for receiving test results, the test
4 results including a plurality of test result
5 records, each test result record associated with
6 a test identifier, a build version identifier,
7 and a test result identifier;
8 instructions for storing the test results in a
9 temporary storage location;
10 instructions for comparing each test result record
11 with the contents of a test result database, the
12 test result database having a plurality of
13 compiled test result records, each compiled test
14 result record associated with a test identifier,
15 a start build version identifier, an end build
16 version identifier, and a test result identifier;
17 instructions for, if a test result record and a
18 compiled test result record have matching test
19 identifiers and matching test result identifiers,
20 discarding the test result record; and
21 instructions for, if a test result record and a
22 compiled test result record have matching test
23 identifiers and different test result
24 identifiers, modifying the end build identifier
25 of the compiled test result record and
26 instructions for creating a new compiled test
27 result record in the test result database, the
28 new compiled test result record having the same
29 test identifier and test result identifier as the
30 test result record, and having a start build

31 version identifier corresponding to the build
32 version identifier of the test result record.

1 12. The computer program product of claim 11, wherein when
2 a test result record and a compiled test result record
3 have matching test identifiers and different test
4 result identifiers, then the end build identifier of
5 the compiled test result record is modified to have a
6 value of one less than the build version identifier of
7 the test result record.

1 13. The computer program product of claim 11, further
2 comprising instructions for, if a compiled test result
3 record has no matching test identifier as a test
4 result record in the temporary storage location,
5 modifying the end build identifier of the compiled
6 test result record to have a value of one less than
7 the build version identifier of the test result
8 record, and instructions for creating a new compiled
9 test result record in the test result database, the
10 new compiled test result record having the same test
11 identifier as the test result record, and having a
12 start build version identifier corresponding to the
13 build version identifier of the test result record,
14 and having a test result identifier indicating that a
15 test was not run.

1 14. The computer program product of claim 11, further
2 comprising instructions for, if a test result record
3 in the temporary storage location has no matching test
4 identifier as a compiled test result record, creating
5 a new compiled test result record in the test result
6 database, the new compiled test result record having
7 the same test identifier as the test result record,
8 and having a start build version identifier
9 corresponding to the build version identifier of the
10 test result record, and having the same test result
11 identifier as the test result record.

1 15. A computer program product tangibly embodied in a
2 machine-readable medium, comprising:
3 instructions for receiving test results, the test
4 results including a plurality of test result
5 records, each test result record indicating a
6 test name, a test result, and a build identifier;
7 instructions for storing the test results in a
8 temporary storage location;
9 instructions for comparing each test result record
10 with the contents of a test result database, the
11 test result database having a plurality of
12 compiled test result records, each compiled test
13 result record associated with a test name, a test
14 result, and a build range corresponding to the
15 test name and test result; and
16 instructions for modifying the build range of each
17 compiled test result record to include the build
18 identifier of a test result record having the
19 same test name and test result as the compiled
20 test result record.